



DEFENSE TECHNICAL INFORMATION CENTER

2012 DTIC Conference



Connecting Lab Research with the Warfighter

March 27-28, 2012



DTIC 2012...And Beyond

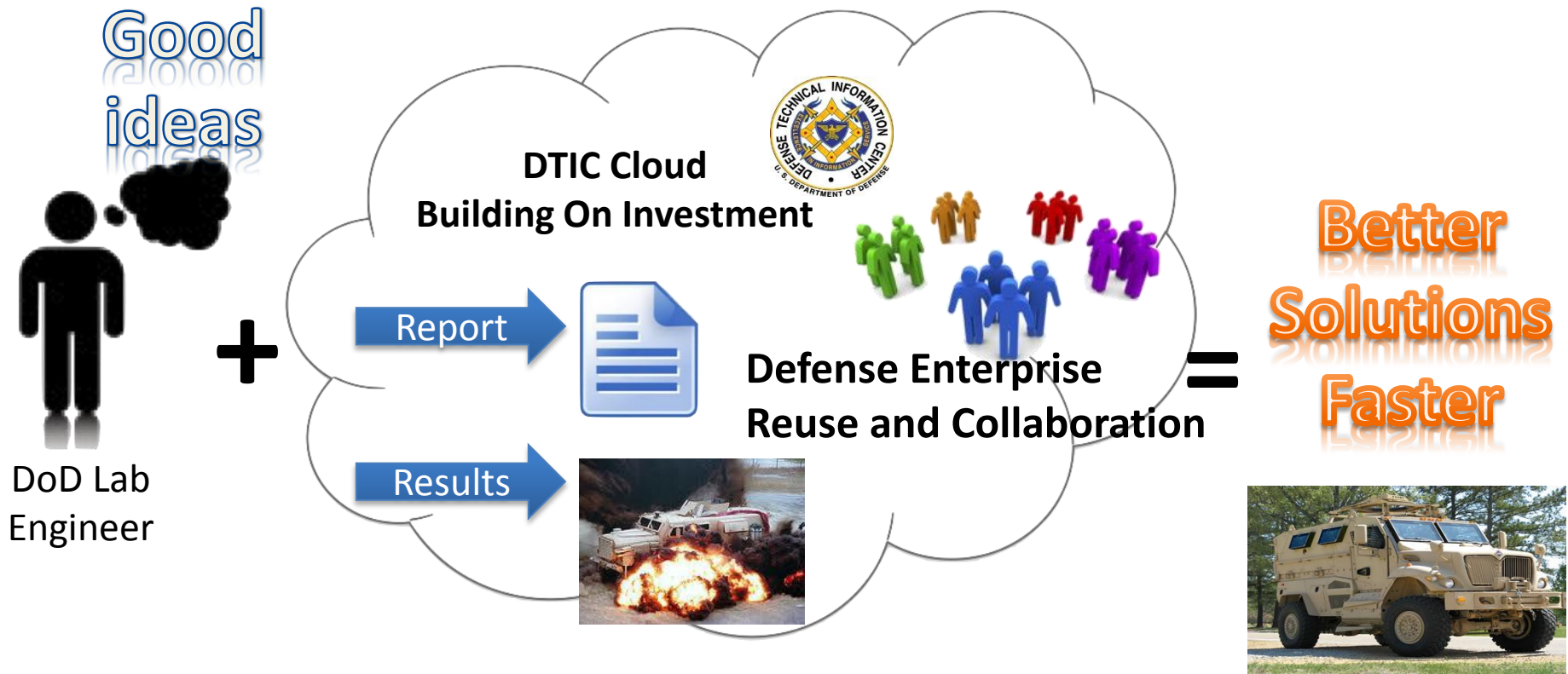
27 March 2012

Mr. Christopher Thomas
DTIC Acting Administrator

Proposition

An Engineer or Scientist in a Lab can do amazing things

A networked community of Engineers and Scientists at DoD's 67 Labs working with PEOs, COCOMS and industry, changes the world



Capture – Preserve – Discover – Analyze – Collaborate – Innovate



Goals

Hub of DoD Research and Engineering Community

- Field innovative tools to:

- Maximize DoD's \$69B R&E investment
- Transform collaboration from the lab bench to the battlefield
- Synthesize data to provide decision-makers situational awareness
- Simplify and expand the capture of R&E data
- Preserve and share R&E knowledge- *Foundation for current solutions and future research*
- Help the enterprise avoid reinventing and reengineering “the wheel”



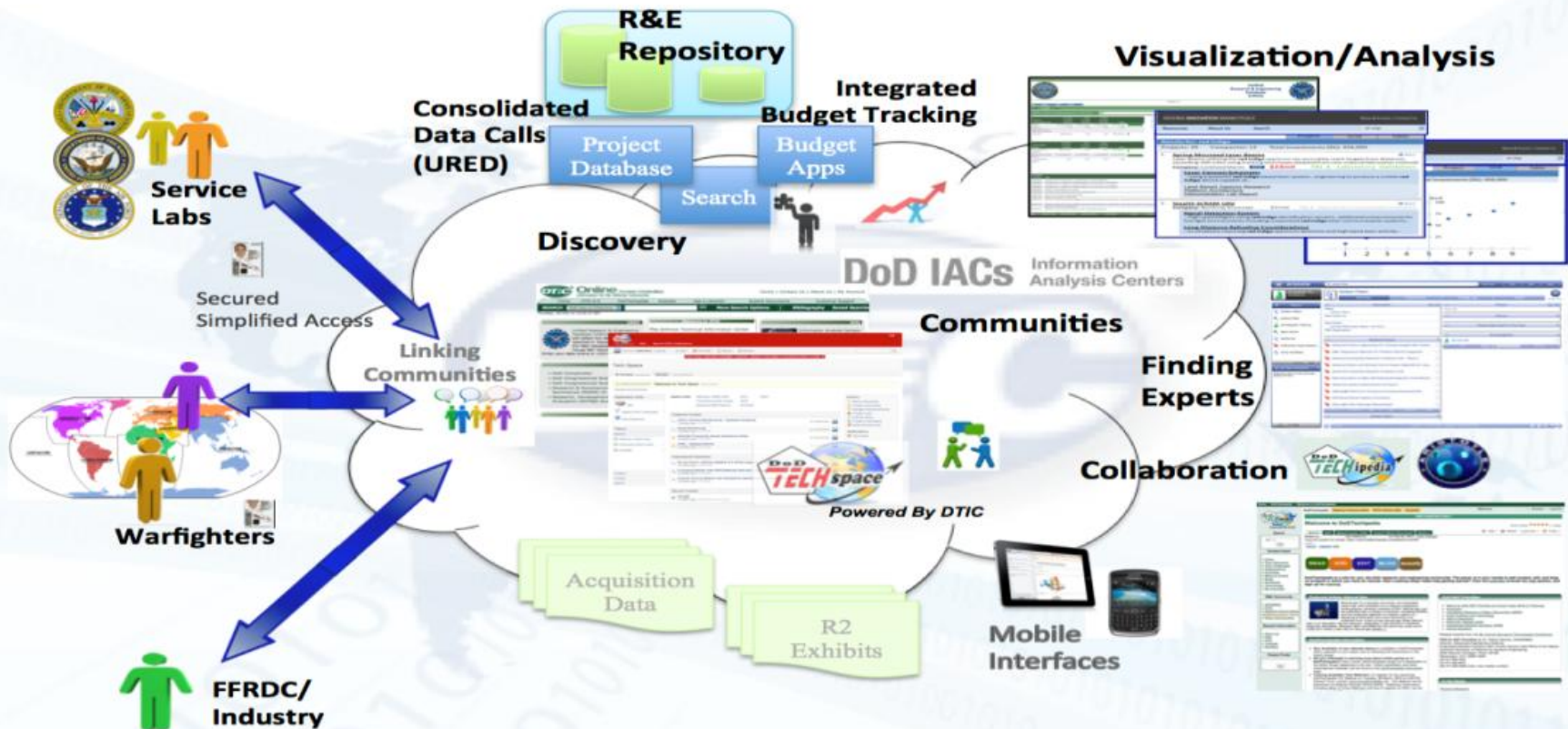
Challenges

- **Secure information sharing**
 - **Respond to cyber threats: ensure security, manage access, while lowering user barriers to data**
 - **Overcome institutional resistance to collaboration across working groups/labs/services: provide compelling capabilities**
- **Integration of commercial collaboration tools, provide advanced features, minimize costs, without compromising security posture**
- **Identifying and presenting most relevant data from discrete data sources in a single view – connecting the dots**
- **Increased functionality in a constrained budget environment**

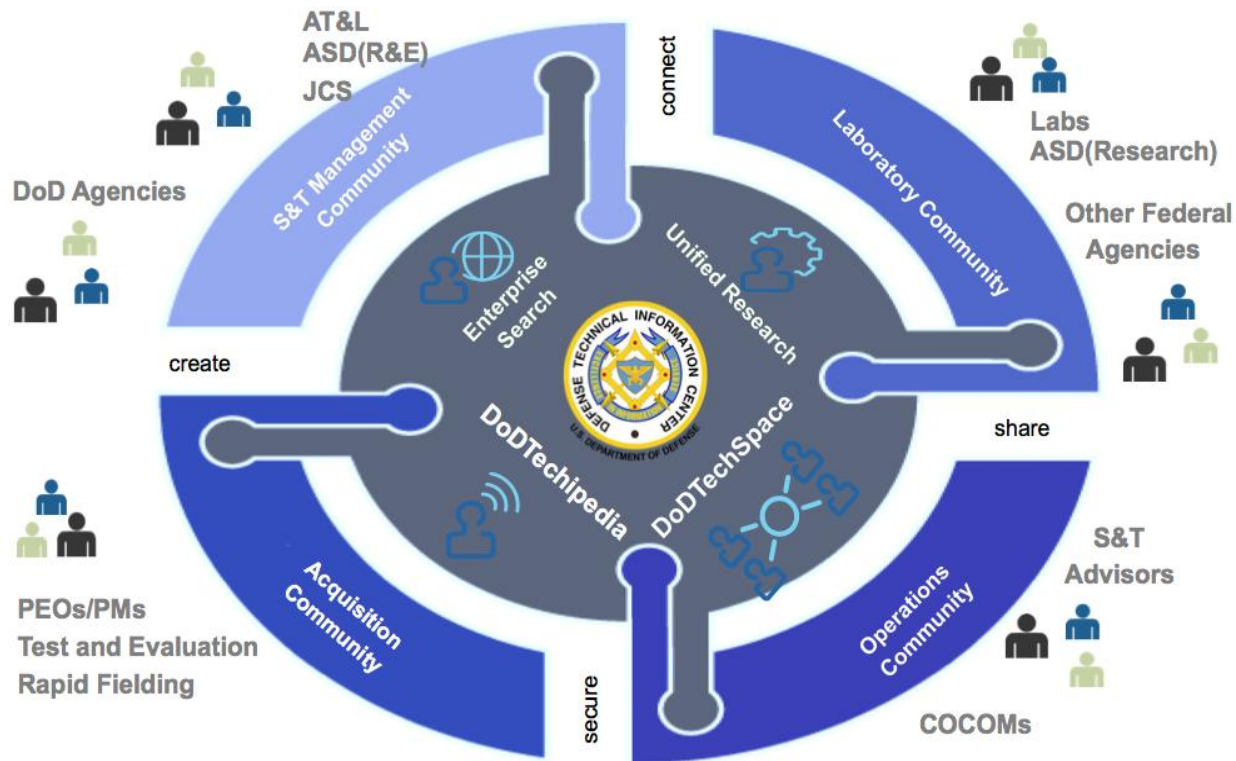
Information Networks

Provide solutions for information access, capture, preservation, discovery, analysis, and collaboration

The Hub of the R&E Community







Professional Networks



**From the Lab Bench to the Battlefield:
Connecting DoD & Industry Researchers with the Warfighter**



FY11 Update

- Implement SECDEF's Efficiencies ✓
- Continue IAC Restructure ✓
- Evaluate DoDTechSpace pilot on SIPRNET ✓
- Conduct Unified R&E Data Call, and post database to NIPRNET and SIPRNET 
- Refine Metrics – baseline where we stand to allow us to measure progress 
- Continue Registration Enhancements, Simplify SIPRNET Registration ✓
- Integration of TR and IAC TR TEMS Databases 
- Evaluate Use of Cloud 



Way Forward

- ***Capture***
- ***Preserve***
- ***Discover***
- ***Analyze***
- ***Collaborate***
- ***Innovate***



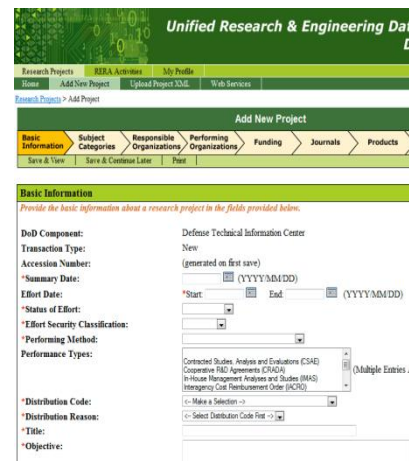
Capture - Preserve - Build Content Share Information to Support Decision Making

Defense Innovation Marketplace



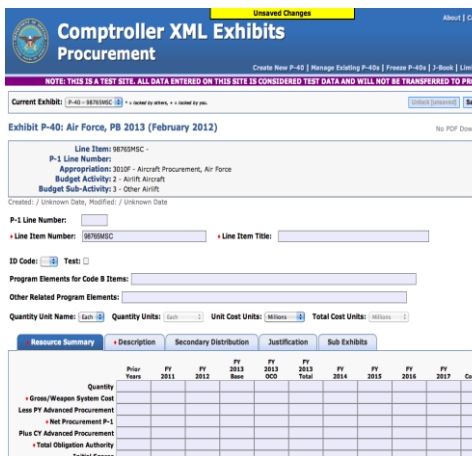
- Improves communication between DoD and Industry
- Provides tools for submission and searching
- Features DoD projects performed under Industry's Independent Research and Development (IR&D)

Unified R&E Database (URED)



- Integrates data calls
- Collects & provides information on current projects at DoD Labs and other DoD S&T efforts
- Provides access to timely information on project status
- 11,000 records submitted

Budget Submission



- Supports submission of RDTE & procurement budget data
- Validates input and produces Justification Books for President's Budget
- Provides XML source for information analysis

IAC TR Submission



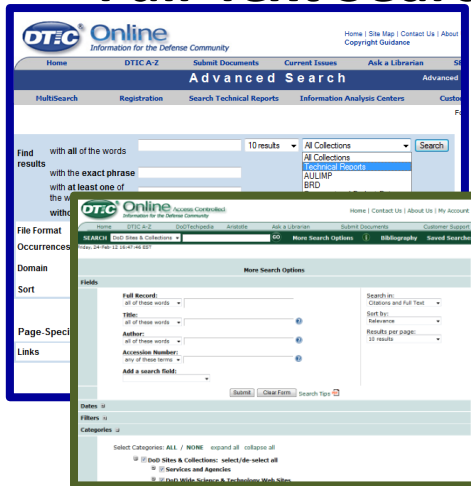
- Submissions of electronic STI enhance quality of IAC technical reports



Discovery and Innovation

Search – Visualize – Analyze

Full-Text Search



- Access to documents marked as public up to SECRET
- Unclassified citations provide a preview of classified documents
- Free, downloadable research documents

Business Intelligence



- Visualize snapshot of filtered data
- Access and conduct analysis of DoD data available through DTIC
- Perform trend analyses & ad hoc reports for display and export of data and graphics

Visual Elements Add Context



- Search and analyze industry IR&D data
- Project clusters
- Graphs of project funding and readiness level
- Context aids analysis
- Acquisition planning

Enhanced GSA Search Features

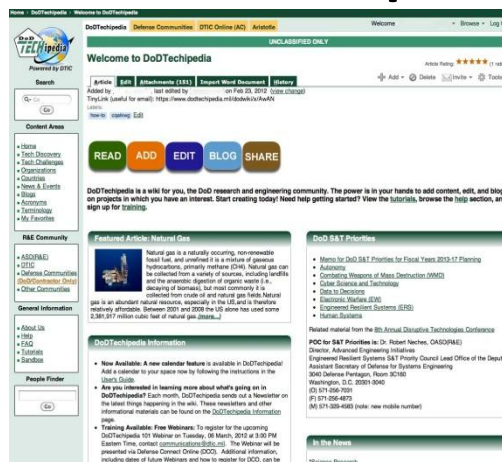


- Consistent intuitive search across all products & networks
- Simplified interface building upon industry leading Google Search Appliance (GSA)
- Innovative design with different display options



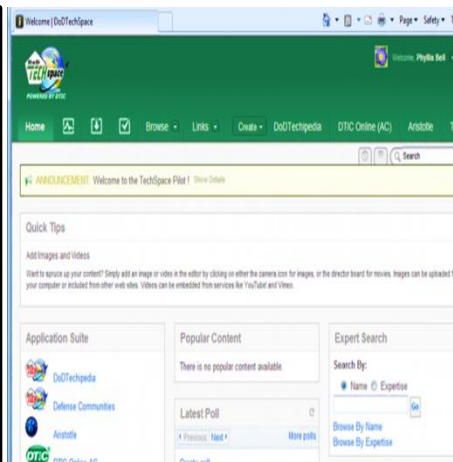
Expanding Collaboration Connecting Communities

DoDTechipedia



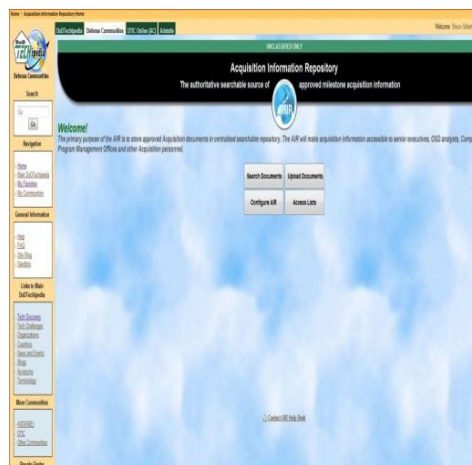
- Collaborative wiki
- Features 14,000+ pages covering DoD S&T Priorities, R&E topics, and links to relevant technical reports

DoDTechSpace



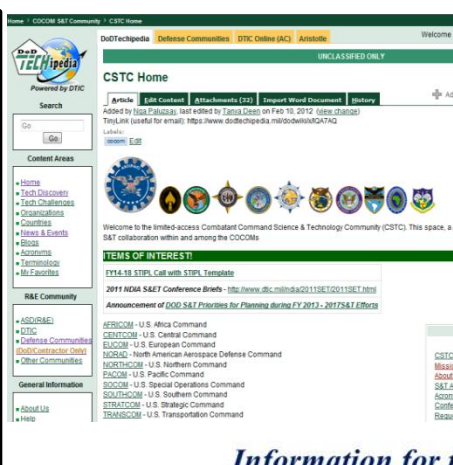
- Secure application that connects the DoD R&E enterprise
- Links communities of interest across DoD
- Advanced Web 2.0 tools for current and next generation researchers

Defense Communities



- Secure wiki site for DoD only collaboration
- Supports 30+ active DoD communities
- Connect 70K researchers thru communities of interest
- Link Acquisition and Research communities

COCOM S&T Community

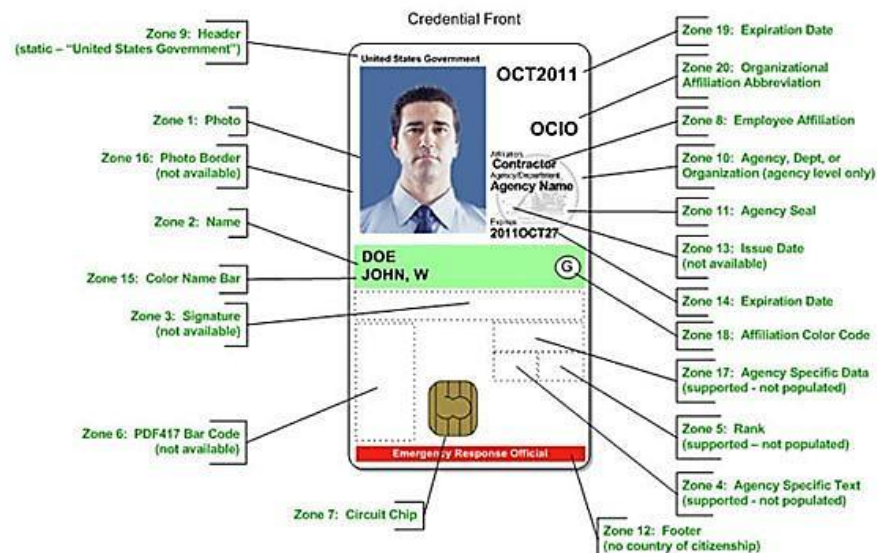


- Center of collaboration on Science and Technology Integrated Priority Lists (STIPLs)
- Supports collaboration among COCOMs and DoD R&E providers



User Access

- **OPM User Validation**
 - Real-time registration for Federal Government employees
 - Partner with OPM on Web service to electronically validate Federal Government employees
 - Reduce barriers for Federal partners' access (DoE, DHS, FBI, etc.)



Long term target: PIV Card Access



Information Analysis Centers (IAC)

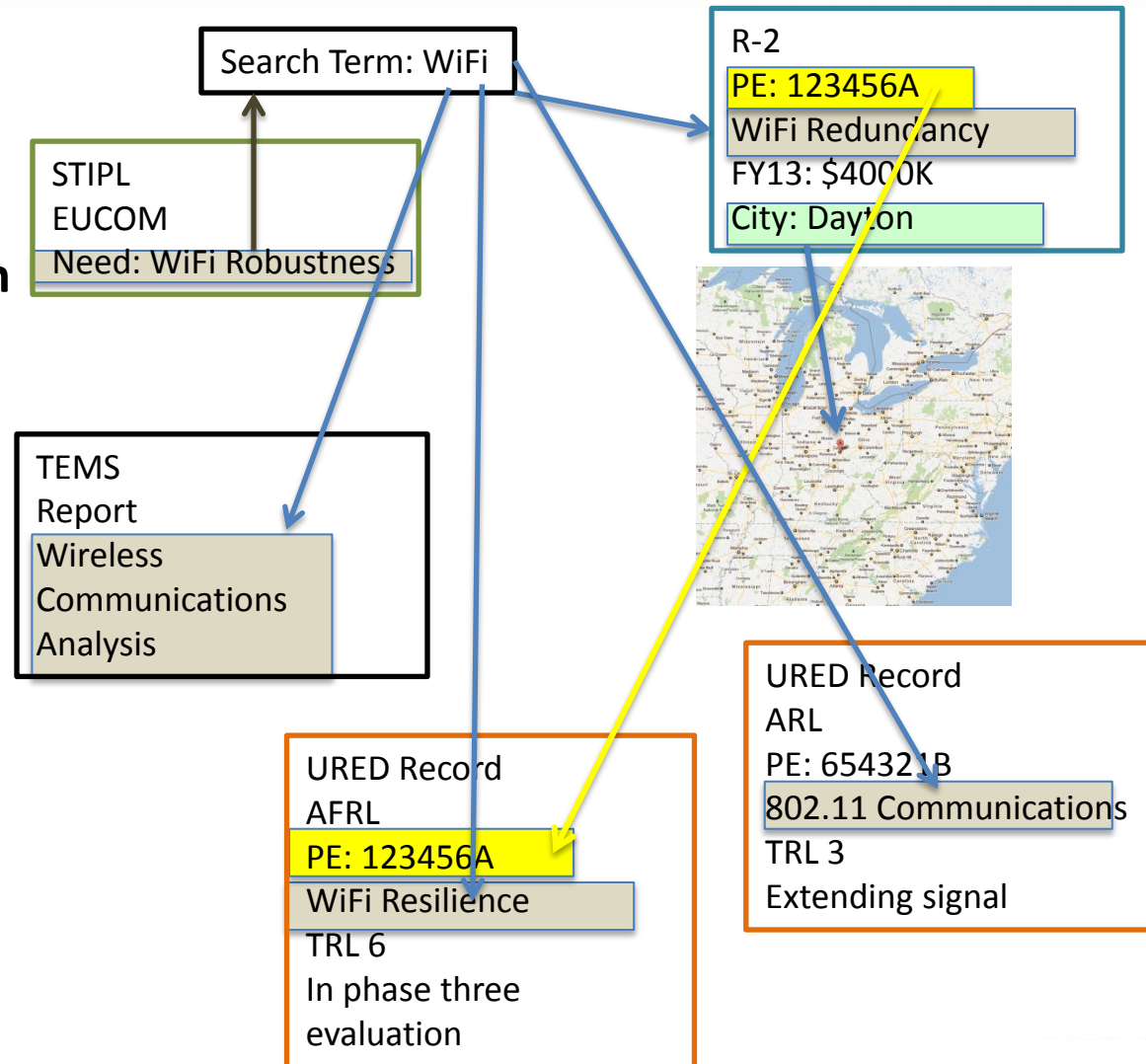
- **Continue transformation from single award to multi-award contracts**
 - Consolidate ten Centers into three
 - Award Cyber Security & Information Systems IAC contract
 - Process contract awards for new multi-award contracts in less than 90 days
 - Provide customers assistance in developing Performance Work Statements





Enhance Discovery Across Related and Disparate Collections

- Synthesize key technical information from multiple sources for use and analysis
- Combine full-text search with field-based queries to assist user navigation of information
- Feature visualization and geo-location data presentations
- Seek opportunities to develop emerging semantic search technologies
- Enable real-time decision support

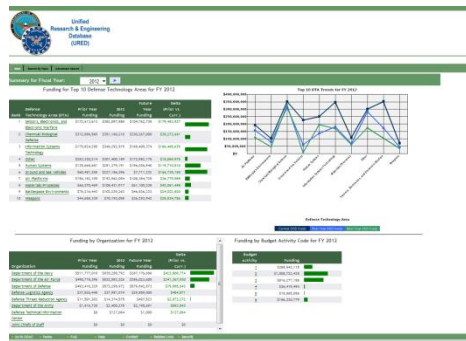
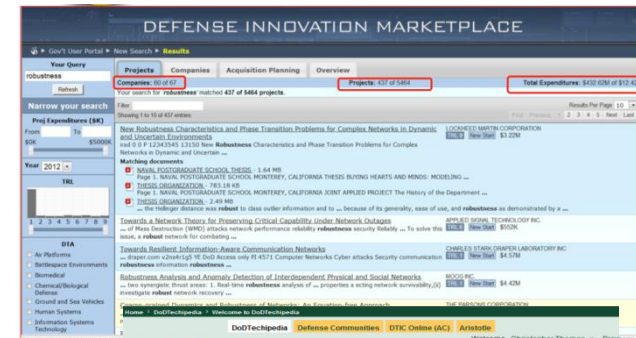




Discovery

Self Service and Full Service Research

- Layer services on top of commercial search and database tools
- Provide users with tools for full-text, fielded, and guided research
- Immediate access to broad array of unclassified, limited content to CAC holders
- Collaboration tools to ask questions/get answers from DoD community
- Offer in-depth research on request/reference librarian support
- SME support from Information Analysis Centers (IAC)



Contact Us



Need to speak to a DTIC representative? Yes, at DTIC you can still speak to a knowledgeable person. Call 1-800-CAL-DTIC (1-800-225-3842) or (703) 767-8274, or DSN 427-8274 Monday through Friday from 7:00 a.m. to 5:00 p.m. Eastern time.



Summary

DTIC is in transition. We need your partnership, participation, collaboration, and content to field innovative tools that support your mission and support the warfighters

This is not a transition with an end, rather it will be a series of capability deliveries that with your support we will continue to build upon

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